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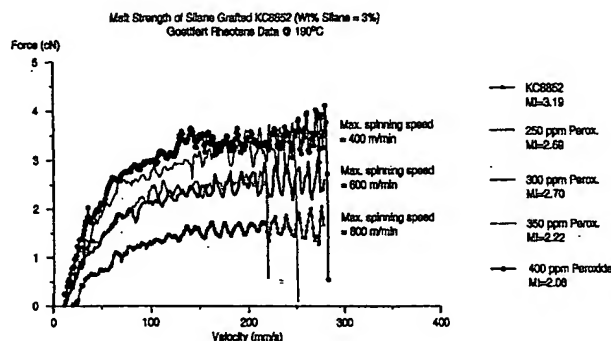
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[Continued on next page]

(54) Title: **SILANE MOISTURE CURED HEAT RESISTANT FIBERS MADE FROM POLYOLEFIN ELASTOMERS**



(57) Abstract: An improved process for crosslinking a polyolefin polymer is described. The process involves grafting a silane material onto the polyolefin based polymer in the presence of a free radical generating initiator material and then hydrolyzing the silane material to form crosslinks. By using an effective molar ratio of silane material to free radical of 40 or greater in the grafting reaction, premature crosslinking is controlled and the grafted polymer can be shaped first and then crosslinked. In another aspect of the invention, the crosslinking process is improved by adding a catalyst for the hydrolysis catalyst to the surface of a shaped article made from the grafted polymer. Grafted polymer and articles made from the grafted polymer, particularly fibers, are also disclosed.

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## INTERNATIONAL SEARCH REPORT

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Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

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## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 300 718 A (MITSUI PETROCHEMICAL IND) 25 January 1989 (1989-01-25)  claims; example 1	1, 4, 5, 7-27, 29-38
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☐ Further documents are listed in the continuation of box C.

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